



July 29, 2011

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Re: IB Docket No. 11-109

Dear Ms. Dortch,

My name is John D Putnam and I am president of Orion GPS, Inc. Orion GPS is a small geomatics consulting firm providing precise control and topographic mapping for use in the design and construction of our nation's infrastructure.

Orion provides precise geodetic, cadastral and mapping control to federal, state and local government agencies as well as private organizations. Geodetic control provides the backbone for all modern engineering works. Cadastral control is used in the determination of ownership of all public and private lands. Mapping control tied to the precise geodetic control network is utilized by government planning agencies to chart the course of our future. This control allows for the design and construction of projects such as airports and communications facilities that require a precise knowledge of their location relative to other features across the country.

In addition to establishing control networks, Orion prepares detailed topographic mapping used by engineers for the design of roads, railroads, pipelines and commercial developments. Upon completion of design we are often called upon to provide construction layout surveys which transfer the designer's ideas to the real world for use by construction crews.

Where natural or human induced movement may endanger life or property, our services are provided to monitor the deformation in both man-made structures and natural features.

We utilize precise GPS as a primary tool in providing all of the above services. Without GPS, a majority of these services will become economically impractical and in some cases technically impossible. Without the use of GPS the cost of the design and construction of our nation's airports, harbors, roads, railroads, pipelines and factories will sky-rocket.


Orion GPS has upwards of a quarter of a million dollars invested in GPS equipment plus the cost expensive software and years of expertise in the field. If LightSquared's seriously flawed plan is allowed to go proceed, it could mean an end to the business I have built up over the last fourteen (14) years, forcing myself and our employees out of work. Worse yet Orion represents just one of

thousands of surveying firms that will suffer the same fate. Even if Orion could afford to replace all of our GPS equipment, at present there is none that will be able to deal with the overpowering signal that Light Squared will blanket the nation with.

It is in the public's best interest to allow LightSquared to broadcast a primarily high powered terrestrial based signal utilizing a bandwidth that has been reserved for use by low power output satellite transmission. This is even truer given the way that these special exceptions were fast-tracked out of view of the public.

I seriously hope that the FCC will not allow LightSquared to cripple any of the GPS signal. Such action will only lead to pain and suffering of the economy and our infrastructure for the profit of a private firm.

Thank for taking the time to review these concerns,



John D Putnam, PLS
President
Orion GPS, Inc